



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Henri SAMAIN et al

Patent Appln. No.:

10/089,193

Filed:

June 27, 2002

Title:

COSMETIC COMPOSITIONS BASED ON

ORGANIC SILICON COMPOUNDS COMPRISING

AT LEAST A NON BASIC SOLUBILISING FUNCTION

Group/A.U.:

1616

Examiner:

Dodson, S.

Confirmation No.:

3276

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §\$1.97 and 1.98, Applicants, through the undersigned attorney, submit this Information Disclosure Statement.

The references listed on attached Form PTO-1449 are submitted herewith.

CH 535579 describes cosmetic compositions comprising an organosilicon compound having a tertiary amino group quaternized with an alkyl compound of formula $C_nH_{2n+1}-X$ wherein X is a halogen, sulfate or phosphate group.

JP 63-307811 describes shampoos comprising amphoteric and anionic surfactants, and an aqueous emulsion of amino-organopolysiloxane. The emulsion is prepared by emulsifying a cyclic diorganopolysiloxane and amino organotrialkoxysilane, with a cationic surfactant, in water; emulsion polymerizing with an alkaline metal hydroxide catalyst; and neutralizing the resulting polymer with an acid. The obtained polymer has, for example, the following formula:

 $\begin{array}{ccc} \text{CH}_3 & \text{OH} \\ & & | \\ & \text{HO}(\text{SiO}_{\text{p}}(\text{SiO})_{\text{q}}\text{H} \\ & \text{CH}_3 & \text{CH}_2\text{CH}_2\text{CH}_2\text{NHCH}_2\text{CH}_2\text{NH}_2 \end{array}$

wherein p and q are numbers such as the molecular weight of the polymer is from 3,000 and 50,000. This polymer therefore has more than three silicon atoms and is in the form of a water-emulsion. The example contained in the abstract describes the water emulsion polymerization of γ -(β -aminoethyl)aminopropyltriethoxysilane with octamethylcyclotetrasiloxane in the presence of cetyltrimethylammonium chloride. This polymerization leads to a polymer of the above formula. The emulsion obtained (which contains the polymer) is then mixed with other components: (lauroylamidopropyl)dimethylaminoacetic acid betaine, triethanolamine laurylsulfate, perfume, antiseptic, colorant and water. This document does not describe the composition as claimed in claim 9.

This Information Disclosure Statement is being filed concurrently with a Request For Continued Examination (RCE).

The Commissioner is hereby authorized to charge any fees due to Deposit Account 19-4293.

D. Douglas Price Reg. No. 24,514

STEPTOE & JOHNSON LLP 1330 Connecticut Ave., NW Washington, DC 20036 Tel: 202-429-6748 (direct)

		, 4					. Sh	eet 1 of 1		
FORM 1449 (S&J Version) INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Docket No.: 13833.0012					
				Applicant:. Henri SAMAIN et al						
INFORM	ATION DISCLO	OSURE STAT	TEMENT	Application						
-821	BY APPL	ICANT		Filing Date:						
- >				Examiner	S. Dodso	on	Grou	p Art Unit:	1616	
1004 gg		***		AND THE RESERVE OF THE PARTY OF						
\$		U:S.	PATENT		INTS					
Examiner's	Document No.	Date		Inventor		Class	Subclass		g Date	
Initials*	(172 250	MM/YYYY	Carrie at al			556	407	If App	ropriate	
	6,172,250	1/9/2001	Seguin et al							
	5,750,092	5/12/98	Meyer et al			424	59			
		 								
			ļ							
										
		 								
ļ			ļ				 	-		
								4		
			Military Cold. To Market Cold.			~			and Complete and Francisco	
		FOREI	GN PATE	NT DOCU	MENT	S			1 . A.	
Examiner's	Document No.	Date		Country		· Class	Subclass	Transla	ation	
Initials*		MM/YYYY						Yes	No	
	0 655 453	5/31/95	Europe							
	0 279 623	8/24/88	Europe							
	0 877 027	11/11/98	Europe							
	535 579	4/15/73	Switzerland						х	
	79/00454	7/26/79	WIPO							
	89/04163	5/18/89	WIPO							
	63-307811	12/15/88	Japan					Abstract		
		C	THER DO	CUMENT	rs 💮	400000				
Examiner's		ude author, title o								
Initials*		volume-issue r	number(s), pul	blisher, city ar	nd/or cour	ntry where	e published.	• • • •		
					•		· · · · · · · · · · · · · · · · · · ·			
1										
							,			
<u></u>										
										
	1									
	1									
								· ·		

Examiner's	Date Considered	
Signature		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.